Rease type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

FORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

	Complete if Known	
Application Number	09/802,108	
Filing Date	March 8, 2001	
First Named Inventor	Saulsbury, Ashley	
Group Art Unit	2151	
Examiner Name	Unassigned	
Attorney Docket Number	016747-017800US	

				U.S. PATENT DOCUM	MENTS	
		U.S. Patent Document				Pages, Columns, Lines,
Examiner Initials *	Cite No. ¹	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
	AA					
	AB					
	AC					
	AD					

	FOREIGN PATENT DOCUMENTS									
	Cita	Foreign Patent Document		Name of Patentee	Date of Publication of	Pages, Columns, Lines, Where Relevant				
Examiner Initials*	Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T⁵		
	AE									
	AF									
	AG									
	AH									

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

		OTHER TROPE ART - ROLL ATERIA ETERATIONE BOOGHIERTO	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Vent	AI /	AIMOTO, YOSHIHARU et al.; "A.768GIPS 3.84GB/s 1 W Parallel Image-Processing RAM Integrating a 16 Mb DRAM and 128 Processors"; ISSCC96/Session 23 / DRAM / Paper SP23.3; 1996 IEEE International Solid-State Circuits Conference; pp. 372-373 and 476	
ment	ÄJ 🗸	BURSKY, DAVE; "Combo RISC CPU and DRAM Solves Data Bandwidth Issues"; Electronic Design; March 4, 1996; pp. 67-71.	
ment	AK /	SAULSBURY, ASHLEY, et al., "Missing the Memory Wall: The Case for Processor/Memory Integration"; ACM; 1996; pp. 90-101	
MMA	AL (SHIMIZU, TORO, et al.; "A Multimedia 32b RISC Microprocessor with 16 Mb DRAM"; ISSCC96/Session 13 / Microprocessors/Paper FP 13.4; 1996 IEEE International Solid State Circuits Conference; pp. 216-217 and 448	
nem	AM	MITSUBISHI ELECTRIC CORP; Product Specification for Single-Chip 32-Bit CMOS Microscopic (1997)	

OCT 0 4 2001

Technology Center 2100

Examiner Signature	WITREAT	Date Considered	4/17/04

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7051260 v1



EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

FO	RM PTO-144	19 (Modified)		Attorney Docket No.: 01674	47-017800US	Application No.:	: 09/802,108
		NTS AND PUBLI		Applicant: Ashley Saulsbur	y, et al.		
		INFORMATION Use several sheets		Filing Date: March 8, 2001	Group: 2151		
Re	ference Desig	nation	Ţ	J.S. PATENT DOCUMENT	S		Page 1
Ex	aminer Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
W	INTAA	4,725,945	02/16/88	Kronstadt et al.	364	200	
	AB	4,894,770	01/16/90	Ward et al.	364	200	
	AC	5,184,320	02/02/93	Dye OFE	365	49	
	AD	5,261,066	11/09/93		395	425	
	AE	5,317,718	05/31/94	Jouppi Jouppi	, 395	425	
	AF	5,386,547	01/31/95	Jouppi A	395	425	
	AG	5,564,035	10/08/96	Lai RADEMANTO	395	471	
	AH	5,588,130	12/24/96	Fujishima et al.	395	445	
	AI	5,623,627	04/22/97	Witt	395	449	
	AJ	5,649,154	07/15/97	Kumar et al.	395	449	
	AK	5,650,955	07/22/97	Puar et al.	365	51	
	AL	5,687,338	11/11/97	Boggs et al.	395	381	
	AM	5,703,806	12/30/97	Puar et al.	365	181	
_	AN	5,900,011	05/04/99	Saulsbury et al.	714	119	
W	MT AO	6,128,702	10/03/00	Saulsbury et al.	76	133	
			FOR	EIGN PATENT DOCUME	NTS		
		Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
		CO	THER ART (Incl	iding Author, Title, Date, P	ertinent Pages, E	tc.)	
	AV						
	AW						
	AX						
	AY						
	AZ						
EV	AMINED	MY YRE	7.4	DATE CONSIDERED	4/17/0	4	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NOV 0 7 2003

Substitute of form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

	Complete if Known
Application Number	09/802,108
Filing Date	March 8, 2001
First Named Inventor	Saulsbury, Ashley
Art Unit	2151
Examiner Name	Unassigned
Attorney Docket Number	016747-017800US

	U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No.1	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
TMW	AA	US-4,980-819	12/1990	Cushing et al.	BECEIVED.	
1	AB	US-5,301,340	4/1994	Cook	NECEIVED	
	AC	US-5,530,817	6/1996	Masubuchi		
	AD	US-5,710,907	1/1998	Hagersten et al.	NOV 1_0 2003	
	AE	US-5,953,738	9/1999	Rao		
	AF	US-6,000,007	12/1999	Leung et al.	Technology Center 210(
	AG	US-6,128,700	10/2000	Hsu et al.	ros.mology ochler 2100	
	AH	US-6,202,143	3/2001	Rim		
	-AI	US-6,256,256	7/2001	Rao		
$\overline{}$	AJ	US-6,275,900	8/2001	Liberty		
TMW	AK	US-6,321,318	11/2001	Baltz et al.		
	AL	US-				
	AM	US-				
	AN	US-				
	AO	US-				
	ΑP	US-				
	AQ	US-				
	AR	US-		-		
	AS	US-				
	AT	US-				

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Forei	ign Patent Doci Number ⁴	ument Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
MMT	AU	PCT	WO 00/33178		6/8/2000	Sun Microsystems, Inc.	· · · · · · · · · · · · · · · · · · ·	
	AV	1						
	AW							
	AX							
	AY							
	AZ							
	BA							
	ВВ			-				

Examiner Signature	WITREAT	Date Considered	4/17/04	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

Applicant is to place a check mark here if English language Translation is attached.

60075318 v1

NOV 0 7 2003

Sheet

form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

-		4
	Complete if Known	
Application Number	09/802,108	
Filing Date	March 8, 2001	
First Named Inventor	Saulsbury, Ashle	ED
Art Unit	2151	
Examiner Name	Unassigned NUV 1 0 ZU	03
Attorney Docket Number	016747-017800US	. 0100
	Technology Cente	31 2 1 UU

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
FMW	вс	NUMOMURA Y ET AL: "M32R/D-INTEGRATING DRAM AND MICROPROCESSOR" IEEE MICRO, IEEE INC. NEW YORK, US, vol. 17 no. 6, 1 November 1997 (1997-11-01), pages 40-48, XP000726003; ISSN: 0272-1732.	
MMT	BD	KOZYRAKIS C E ET AL: "SCALABLE PROCESSORS IN THE BILLION-TRANSISTOR ERA: IRAM" COMPUTER, IEEE COMPUTER SOCIETY, LONG BEACH., CA, US, US vol. 20, no. 0 1 September 1997 (1997-09-01), pages 75-78, XP000730003; ISSN: 0018-9162.	
WMT	BE	HERRMANN KLAUS, HILGENSTOCK JOERG, PIRSCH PETER: "ARCHITECTURE OF A MULTIPROCESSOR SYSTEM WITH EMBEDDED DRAM FOR LARGE AREA INTEGRATION" 8 October 1997 (1997-10-08), IEEE INTERNATIONAL CONFERENCE ON INNOVATIVE SYSTEMS IN SILICON, PISCATAWAY, NJ, USA; XP002179990	
	BF		
	BG		
	вн		
	ВІ		
	ВЈ		
	ВК		
	BL		
	вм		

	· · · · · · · · · · · · · · · · · · ·		
Examiner Signature	W. TREAT	Date Considered	4/17/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.